

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	856	(257/675).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/03 12:30
L2	30	("5212402"   "5450283"   "5663593"   "5731631"   "5849608"   "5969947").PN. OR ("6507120").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 12:45
L3	16	("4764804"   "4945451").PN. OR ("5299091").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 13:00
L4	4090	(257/666).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/03 13:14
L5	418	4 and (saw\$3 or singulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 13:54
L7	33	257/781.ccls. and barrier and paste	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 14:09
L8	2	("6,140,577").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/03 14:10
L9	2	("6,740,577").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/03 14:10
L10	10	("5914274"   "6163463"   "6228681"   "6348401"   "6413851"   "6462426"   "6492197"   "6586322").PN. OR ("6740577").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 14:10

## EAST Search History

L11	30	(US-20030092205-\$ or US-20010048149-\$ or US-20010013639-\$ or US-20050151268-\$).did. or (US-7005728-\$ or US-6930377-\$ or US-6894376-\$ or US-6700186-\$ or US-6605865-\$ or US-6590281-\$ or US-6583512-\$ or US-6507120-\$ or US-6114755-\$ or US-6018189-\$ or US-5299091-\$ or US-6953988-\$ or US-6873032-\$ or US-6846704-\$ or US-6700187-\$ or US-6918178-\$ or US-6969915-\$ or US-6940169-\$ or US-6768210-\$ or US-6462426-\$ or US-6740577-\$ or US-6586322-\$ or US-6492197-\$ or US-6413851-\$ or US-6348401-\$ or US-5914274-\$). did.	US-PGPUB; USPAT	OR	ON	2006/05/03 14:27
L12	14	("5918113"   "5920118"   "5999413"   "6096577"   "6130483"   "6163069"   "6204564"   "6262480"   "6268652"   "6271581"   "6281567"   "6281568"   "6288851"   "6300161").PN. OR ("6426554").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 14:58
L13	1466	(leadframe or "lead frame") and wafer with (saw\$3 or singulat\$3 or separat\$3) and encapsulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:02
L14	483	(leadframe or "lead frame") and wafer with (saw\$3 or singulat\$3 or separat\$3) and encapsulat\$3 and ("chip scale" or "chip size")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:32
L15	29	("4610079"   "4670088"   "5143865"   "5496775"   "5554887"   "5703406"   "5824569"   "5834843"   "5844779"   "5867417"   "5908317"   "5933713"   "5969426"   "5977641"   "6020629"   "6054772"   "6077380"   "6097098"   "6107164"   "6137164"   "6150717"   "6153448"   "6181569"   "6208018"   "6297553"   "6331450"   "6379999").PN. OR ("6717245").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 15:19

## EAST Search History

L16	28	("20020000330"   "20020167117"   "20030070569"   "5503582"   "5597613"   "5634267"   "5658575"   "5735985"   "5909706"   "6016746"   "6019037"   "6034427"   "6110401"   "6190929"   "6225143"   "6249050"   "6259036"   "6285203"   "6329829"   "6333555"   "6387787"   "6482742"   "6517995"   "6518096"   "6518189"   "6521324"   "6716754").PN. OR ("6897089"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 15:31
L17	54	(leadframe or "lead frame") and wafer with (saw\$3 or singulat\$3 or separat\$3) and encapsulat\$3 and ("quad-flat" or qfn)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:37
L18	198	(leadframe or "lead frame") and wafer with (saw\$3 or singulat\$3 or separat\$3) with frame and encapsulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:43
L19	36	("5477933"   "5627405"   "5767010"   "5786270"   "5817541"   "5844304"   "5858815"   "5862816"   "5863812"   "5872051"   "5877079"   "5879964"   "5886398"   "5889332"   "5891795"   "5892273"   "5892290"   "5987744").PN. OR ("6350668"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 15:41
L20	192	(leadframe or "lead frame") and wafer with (saw\$3 or singulat\$3 or separat\$3) with encapsulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:48
L21	56	(leadframe or "lead frame") with wafer with (saw\$3 or singulat\$3 or separat\$3) with encapsulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:50
L22	13	(leadframe or "lead frame") with wafer-level	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:54

## EAST Search History

L23	211	"boyd, william".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:55
L24	3	"boyd, william".in. and ("lead frame" or leadframe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:56
L25	678	"texas instrument".as. and ("lead frame" or leadframe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:56
L26	191	"texas instrument".as. and ("lead frame" or leadframe) and wafer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 16:03
L27	444	(438/111).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/03 16:26
L28	30	("5212402"   "5450283"   "5663593"   "5731631"   "5849608"   "5969947").PN. OR ("6507120").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 16:09

## EAST Search History

L29	73	("3838984"   "4054238"   "4530152"   "4707724"   "4756080"   "4812896"   "5041902"   "5157480"   "5172213"   "5172214"   "5200362"   "5200809"   "5214845"   "5216278"   "5221642"   "5258094"   "5273938"   "5277972"   "5278446"   "5279029"   "5332864"   "5336931"   "5343076"   "5406124"   "5424576"   "5435057"   "5444301"   "5474958"   "5521429"   "5604376"   "5608267"   "5639990"   "5640047"   "5641997"   "5646831"   "5650663"   "5683806"   "5696666"   "5701034"   "5710064"   "5736432"   "5776798"   "5783861"   "5835988"   "5859471"   "5866939"   "5877043"   "5894108"   "5977613"   "5977630"   "5981314"   "5986885"   "6001671"   "6025640"   "6034423"   "6072228"   "6084310"   "6130115"   "6130473"   "6140154"   "6143981"   "6198171"   "6208021"   "6225146"   "6229200"   "6242281"   "6281568"   "6294100"   "6303997"   "6482680"   "6507120").PN. OR ("6700187"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 16:10
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L41	286	("20010008305"   "20010011654"   "20010014538"   "20020024122"   "20020027297"   "20020140061"   "20020140068"   "20020163015"   "20030030131"   "20030073265"   "2596993"   "3435815"   "3734660"   "3838984"   "4054238"   "4189342"   "4258381"   "4289922"   "4301464"   "4332537"   "4417266"   "4451224"   "4530152"   "4541003"   "4646710"   "4707724"   "4727633"   "4737839"   "4756080"   "4812896"   "4862245"   "4862246"   "4907067"   "4920074"   "4935803"   "4942454"   "4987475"   "5018003"   "5029386"   "5041902"   "5057900"   "5059379"   "5065223"   "5070039"   "5087961"   "5091341"   "5096852"   "5118298"   "5151039"   "5157475"   "5157480"   "5168368"   "5172213"   "5172214"   "5175060"   "5200362"   "5200809"   "5214845"   "5216278"   "5218231"   "5221642"   "5250841"   "5252853"   "5258094"   "5266834"   "5273938"   "5277972"   "5278446"   "5279029"   "5281849"   "5294897"   "5327008"   "5332864"   "5335771"   "5336931"   "5343076"   "5358905"   "5365106"   "5381042"   "5391439"   "5406124"   "5410180"   "5414299"   "5424576"   "5428248"   "5435057"   "5444301"   "5452511"   "5454905"   "5474958"   "5484274"   "5493151"   "5508556"   "5517056"   "5521429"   "5528076"   "5534467"   "5539251"   "5543657"   "5544412"   "5545923"   "5581122"   "5592019"   "5592025"   "5594274"   "5595934"   "5604376"   "5608267"   "5625222"   "5633528"   "5639990"   "5640047"   "5641997"   "5643433"   "5644169"   "5646831"   "5650663"   "5661088"   "5665996"   "5673479"   "5683806".PN. OR ("5689135"   "5696666"   "5701034"   "5703407"   "5710064"   "5723899"   "5724233"   "5736432"   "5745984"   "5753532"   "5753977"   "5766972"   "5770888"   "5776798"   "5783861"   "5801440"   "5814877"   "5814881"   "5814883"   "5814884"   "5817540"   "5818105"   "5821457"   "5821615"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 16:22
5/3/2006 7:55:33 PM						Page 6

## EAST Search History

L42	1408	("quad flat no leaded" or "quad flat" or qfn) and ("chip size" or "chip scale")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 16:27
L43	192	("quad flat no leaded" or "quad flat" or qfn) and ("chip size" or "chip scale") and wafer and encapsulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 16:28
L44	41	(US-20030092205-\$ or US-20010048149-\$ or US-20010013639-\$ or US-20050151268-\$ or US-20020027257-\$ or US-20020041039-\$ or US-20030082925-\$).did. or (US-7005728-\$ or US-6930377-\$ or US-6894376-\$ or US-6700186-\$ or US-6605865-\$ or US-6590281-\$ or US-6583512-\$ or US-6507120-\$ or US-6114755-\$ or US-6018189-\$ or US-5299091-\$ or US-6953988-\$ or US-6873032-\$ or US-6846704-\$ or US-6700187-\$ or US-6918178-\$ or US-6969915-\$ or US-6940169-\$ or US-6768210-\$ or US-6462426-\$ or US-6740577-\$ or US-6586322-\$ or US-6492197-\$ or US-6413851-\$ or US-6348401-\$ or US-5914274-\$). did. or (US-6992384-\$ or US-6627991-\$ or US-6426554-\$ or US-6900079-\$ or US-6897089-\$ or US-6717245-\$ or US-6181569-\$ or US-6350668-\$).did.	US-PGPUB; USPAT	OR	ON	2006/05/03 16:36
L45	14	("5918113"   "5920118"   "5999413"   "6096577"   "6130483"   "6163069"   "6204564"   "6262480"   "6268652"   "6271581"   "6281567"   "6281568"   "6288851"   "6300161").PN. OR ("6426554").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 16:43
L46	0	("2005/0151268").URPN.	USPAT	OR	ON	2006/05/03 19:44
L47	137	("lead frame" or leadframe) and singulat\$3 with laser	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 19:45